



Eden Research Laboratory

To: Biosphere  
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Regarding: ASTM D6691 Biosphere Samples (1849 days)

# Update

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	Inoculum	Negative	Positive	2165 - Primo PP Straw with no Additive	2166 - Primo PP Straw with 1% Biosphere Additive	2167 - Primo PP Straw with 2% Biosphere Additive
Cumulative Gas Volume (mL)	19.6	21.8	74.3	22.2	85.0	123.5
Percent CO <sub>2</sub> (%)	94.9	94.8	94.2	94.9	96.1	95.8
Volume CO <sub>2</sub> (mL)	18.6	20.7	70.0	21.1	81.7	118.2
Mass CO <sub>2</sub> (g)	0.036	0.041	0.137	0.041	0.161	0.232
Sample Mass (g)		0.080	0.080	0.080	0.080	0.080
Theoretical Sample Mass (g)		0.069	0.034	0.067	0.067	0.067
Biodegraded Mass (g)	0.010	0.011	0.037	0.011	0.044	0.063
Percent Biodegraded (%)		1.7	81.6	2.0	50.7	79.9

## Biodegradation

